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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A Ni based alloy with excellent corrosion resistance relative to supercritical water environments containing inorganic acids comprising:

Cr: from more than 43% to 50% or less, Mo: 0.1% to 2%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,

and a remainder as Ni and unavoidable impurities,

wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Claim 2 (currently amended): The A Ni based alloy of claim 1 ~~with excellent corrosion resistance relative to supercritical water environments containing inorganic acids comprising:~~

~~Cr: from more than 43% to 50% or less, Mo: 0.1% to 2%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

further comprising at least one ~~either one, or both,~~ of Fe: 0.05% to 1.0% and Si: 0.01% to 0.1%,

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 3 (currently amended): A member for a supercritical water process reaction apparatus,

wherein said member comprises a Ni based alloy according to claim 1 or 2.

Claim 4 (original): A Ni based alloy with excellent corrosion resistance relative to supercritical water environments containing inorganic acids comprising:

Cr: from 29% to less than 42%, Ta: from more than 1% to 3% or less, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,

and a remainder as Ni and unavoidable impurities,

wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Claim 5 (currently amended): ~~The~~ A Ni based alloy of claim 4 ~~with excellent corrosion resistance relative to supercritical water environments containing inorganic acids comprising:~~

~~Cr: from 29% to less than 42%, Ta: from more than 1% to 3% or less, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

further comprising Mo: 0.1% to 2%[[,]]

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 6 (currently amended): ~~The~~ A Ni based alloy of claim 4 ~~with excellent corrosion resistance relative to supercritical water environments containing inorganic acids comprising:~~

~~Cr: from 29% to less than 42%, Ta: from more than 1% to 3% or less, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

Claim 12 (currently amended): ~~The~~ A Ni based alloy of claim 9 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

~~Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

further comprising at least one ~~either one, or both,~~ of Fe: 0.1% to 10% and Si: 0.01% to 0.1%;

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 13 (currently amended): ~~The~~ A Ni based alloy of claim 9 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

~~Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

further comprising Nb: from more than 1.0% to 6% or less[[,]]; and

~~further comprising either one, or both,~~ at least one of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%;

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 14 (currently amended): ~~The~~ A Ni based alloy of claim 9 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,
further comprising Nb: from more than 1.0% to 6% or less[[,]]; and
~~further comprising either one, or both, at least one~~ of Fe: 0.1% to 10% and Si: 0.01% to 0.1%,
~~and a remainder as Ni and unavoidable impurities,~~
~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 15 (currently amended): ~~The~~ A Ni based alloy of claim 9 with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:

~~Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

further comprising ~~either one, or both,~~ at least one of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%[[,]]; and

further comprising either one, or both, at least one of Fe: 0.1% to 10% and Si: 0.01% to 0.1%;

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 16 (currently amended): The A Ni based alloy of claim 9 with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:

~~Cr: from more than 36% to less than 42%, W: from more than 0.01% to less than 0.5%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

further comprising Nb: from more than 1.0% to 6% or less,

~~further comprising either one, or both, at least one~~ of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%[[,]]; and

~~further comprising either one, or both, at least one~~ of Fe: 0.1% to 10% and Si: 0.01% to 0.1%;

and a remainder as Ni and unavoidable impurities,

wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Claim 17 (currently amended): A member for a supercritical water process reaction apparatus,

wherein said member comprises a Ni based alloy according to ~~any one of claims~~ claim 9 to 16.

Claim 18 (original): A Ni based alloy with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:

Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,

and a remainder as Ni and unavoidable impurities,

wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Claim 19 (currently amended): The A Ni based alloy of claim 18 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

~~Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

~~further comprising Nb: from more than 1.0% to 6% or less;~~

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 20 (currently amended): The A Ni based alloy of claim 18 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

~~Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

~~further comprising at least one either one, or both, of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%;~~

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 21 (currently amended): The A Ni based alloy of claim 18 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,
further comprising Nb: from more than 1.0% to 6% or less[[,]]; and
further comprising either one, or both, at least one of Fe: 0.1% to 10% and Si: 0.01% to 0.1%,
and a remainder as Ni and unavoidable impurities,
wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Claim 24 (currently amended): The A Ni based alloy of claim 18 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,
further comprising at least one ~~either one, or both,~~ of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%[[,]]; and
further comprising at least one ~~either one, or both,~~ of Fe: 0.1% to 10% and Si: 0.01% to 0.1%;
and a remainder as Ni and unavoidable impurities,
wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.

Claim 25 (currently amended): The A Ni based alloy of claim 18 ~~with excellent resistance to stress corrosion cracking in supercritical water environments containing inorganic acids comprising:~~

~~Cr: from more than 28% to less than 34%, W: from more than 0.1% to less than 1.0%, Mg: 0.001% to 0.05%, N: 0.001% to 0.04%, Mn: 0.05% to 0.5%,~~

further comprising Nb: from more than 1.0% to 6% or less[.];

at least one further comprising either one, or both, of Mo: from 0.01% to less than 0.5% and Hf: 0.01% to 0.1%[[,]]; and

at least one further comprising either one, or both, of Fe: 0.1% to 10% and Si: 0.01% to 0.1%;

~~and a remainder as Ni and unavoidable impurities,~~

~~wherein a quantity of C amongst said unavoidable impurities is restricted to 0.05% or less.~~

Claim 26 (currently amended): A member for a supercritical water process reaction apparatus,

wherein said member comprises a Ni based alloy according to claim ~~any one of claims 18 to~~

~~25.~~